

04/2022

How to find Study Plans and Course Descriptions at the Faculty of Civil Engineering

Incoming Exchange Students

If you are looking exclusively for English-taught courses, please refer to our PDF “English-taught courses at the Faculty of Civil Engineering” on the following website:

<https://www.fb3.rwth-aachen.de/cms/Bauingenieurwesen/Studium/Internationales/Incomings/~ebpx/Studium/?lidx=1>

If you are looking for study plans at the Faculty of Civil Engineering with English and German-taught courses, please refer to this guide.

We recommend following the used example to understand the organisation of the course catalogue RWTHonline.

1. Open the online course catalogue RWTHonline and choose “Continue without login”.
<https://online.rwth-aachen.de/RWTHonline/ee/ui/ca2/app/desktop/#/login>

The screenshot shows the RWTHonline login interface. The main content area on the left has a white background and contains the following text:

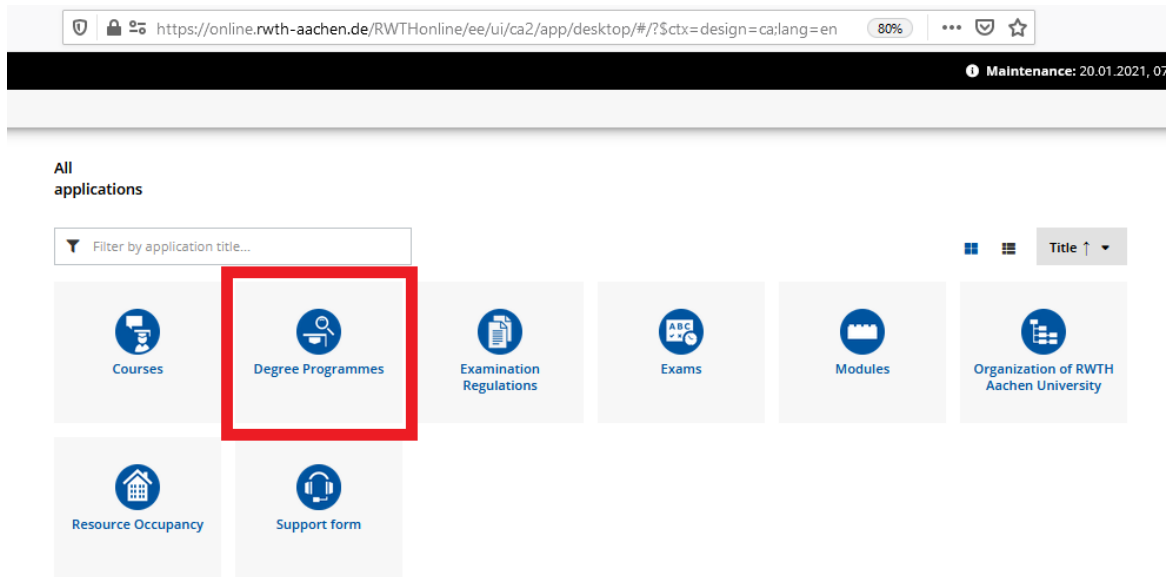
- Welcome to RWTHonline**
- Information for students and employees of RWTH Aachen University**
You can log in using your username (eg. ab1234567) and the password you use for RWTH Single Sign-On.
- Information for Applicants**
If you are not currently studying at RWTH, you must first register in RWTHonline.
If you have forgotten your password you can request a new password here.
You can find further information about applying on the RWTH website.
- Do you need help?**
Visit the RWTHonline documentation portal (accessible from the RWTH network) for instructions and further information or contact our support.

The right sidebar has a blue background and contains:

- Login for students and employees
- Login Access (button)
- Continue without login** (button, highlighted with a red rectangle)
- Login for applicants (dropdown menu)

At the bottom of the page, there is a footer: © 2021 CAMPUSonline. All rights reserved. | Imprint | Anleitungen | Support form

2. To find the courses of study/study plans offered by the Faculty of Civil Engineering, please choose the option “Degree Programmes”.



3. Please select “82 Bachelor (1 Subject)” or “88 Master (1 Subject)”.

For example: “82 Bachelor (1 Subject)”

The screenshot shows the RWTHonline portal interface for "Degree Programmes / RWTH Aachen University 2020/21". The "Academic year (2020/21)" is selected. Below this, there is a table of degree programmes with columns for Degree, ID, Curriculum, Field of studies, and ECTS Credits. The table lists various degree programmes, with "82 Bachelor (1-Subject)" and "88 Master (1-Subject)" highlighted by a red box.

Degree	ID	Curriculum	Field of studies	ECTS Credits
▶ 05 State Examination				
▶ 06 Doctoral Studies				
▶ 61 Bachelor (2-Subject)				
▶ 62 Master (2-Subject)				
▶ 75 Bachelor Teacher Training Secondary and Comprehensive School				
▶ 76 Bachelor Teacher Training Vocational School				
▶ 77 Master Teacher Training Secondary and Comprehensive School				
▶ 78 Master Teacher Training Vocational School				
▶ 79 LA Master Berufskollegs (berufsbegleitend)				
▶ 82 Bachelor (1-Subject)				
▶ 88 Master (1-Subject)				
▶ 90 Enrollment as Auditing Student				
▶ 91 (Small) Cross-Registration				
▶ 96 Degree Completed Abroad				

4. It will open a list of the courses of study at RWTH. Please note that some courses of studies at the Faculty of Civil Engineering have several specializations. You are permitted to select courses from all specializations. In RWTHonline “specializations” are called “Main Emphasis”.

Courses of study at the Faculty of Civil Engineering:

<https://www.fb3.rwth-aachen.de/cms/Bauingenieurwesen/Studium/~qpf/Studiengaenge/lidx/1/>

- **Bachelor:**

- [Civil Engineering \(B.Sc.\)](#)
- [Civil Engineering with Orientation Semester \(BIOS\) - Civil Engineering Plus Subprogramme \(B.Sc.\)](#)
- [Transport Engineering and Mobility \(B.Sc.\)](#)
- [Environmental Engineering \(B.Sc.\)](#)
- [Business Administration and Engineering \(B.Sc.\): Civil Engineering](#)

- **Master:**

- Civil Engineering (M.Sc.)
 - [Specializations:](#)
 - [Advanced Computational Methods in Civil Engineering](#)
(taught completely in English)
 - [Construction Production Systems und Construction Process Management](#)
 - [Building Materials Science](#)
(Admission to studies with the specialization in building materials science is only possible up to and including the summer semester 2020. From winter semester 2020/2021 onwards, it will no longer be possible to begin a course of study with this specialization).
 - [Constructive Structural Engineering](#)
 - [Constructive Engineering](#)
 - [Constructive Hydraulic Engineering](#)
 - [Tunnel Engineering and Geotechnics](#)
 - [Transport](#)
 - [Water Management](#)

- Transport Engineering and Mobility (M.Sc.)
 - [Specializations:](#)
 1. [Airport and Aeronautics](#)
 2. [Railway Systems Engineering](#)
(this specialization is offered in German and English)
 3. [Mobility of People](#) (until Summer Term 2021)
 4. [Road and Motor Vehicles](#)
 5. [Transportation Logistics](#) (until Summer Term 2021)
 6. [Transportation Planning and Infrastructure](#)

- [Sustainable Management – Water and Energy \(M.Sc.\)](#)
(taught completely in English)

- Environmental Engineering (M.Sc.)
 - [Specializations:](#)
 - [Energy and Environment in Civil Engineering](#)
 - [Recycling](#)
 - [Sanitary Engineering](#)
 - [Environmental Process Engineering](#)
 - [Water Management](#)

- Business Administration and Engineering (M.Sc.): Civil Engineering
 - [Specializations:](#)
 - [Construction Management and Geotechnics](#)
 - [Structural Engineering](#)
 - [Commerce and Spatial Planning](#)
 - [Water](#)

For example, Bachelor (B.Sc.) Civil Engineering:

RWTHonline				
Degree Programmes / RWTH Aachen University				
Academic year (2020/21)				
▶ 78 Master Teacher Training Vocational School				
▶ 79 LA Master Berufskollegs (berufsbegleitend)				
▼ 82 Bachelor (1-Subject)				
82 Bachelor (1-Subject)	203	Applied Geography (HG-NRW/2013)	University course	180
82 Bachelor (1-Subject)	200	Applied Geosciences (HG-NRW/2019)	University course	180
82 Bachelor (1-Subject)	013	Architecture (HG-NRW/2019)	University course	180
82 Bachelor (1-Subject)	787	Bauingenieurwesen (m. Orientierungsssem.) (HG-NRW/2020)	University course	240
82 Bachelor (1-Subject)	026	Biology (HG-NRW/2006)	University course	180
82 Bachelor (1-Subject)	208	Business Administration (HG-NRW/2019)	University course	180
82 Bachelor (1-Subject)	715	Business Administration and Engineering Civil Engineering (HG-NRW/2020)	University course	180
82 Bachelor (1-Subject)	716	Business Administration and Engineering: Electrical Power Engineering (HG-NRW/2020)	University course	180
82 Bachelor (1-Subject)	717	Business Administration and Engineering Materials and Process Engineering (HG-NRW/2020)	University course	180
82 Bachelor (1-Subject)	707	Business Administration and Engineering Mechanical Engineering (HG-NRW/2020)	University course	210
82 Bachelor (1-Subject)	032	Chemistry (HG-NRW/2010)	University course	180
82 Bachelor (1-Subject)	017	Civil Engineering (HG-NRW/2020)	University course	180
82 Bachelor (1-Subject)	706	Computational Engineering Science (HG-NRW/2011)	University course	210
82 Bachelor (1-Subject)	079	Computer Science (HG-NRW/2018)	University course	180
82 Bachelor (1-Subject)	759	Electrical Engineering, Information Technology and Computer Engineering (HG-NRW/2017)	University course	180
82 Bachelor (1-Subject)	783	Electrical Engineering with orientation semester (HG-NRW/2019)	University course	210
82 Bachelor (1-Subject)	762	Environmental Engineering (HG-NRW/2019)	University course	180

5. The courses of study are usually parted in different groups. If you click on the “+” the list of modules and the list courses will open. You can choose courses from all groups.

For example, Bachelor (B.Sc.) Civil Engineering:

RWTHonline	
Curriculum / 82 017 Civil Engineering (HG-NRW/2020, Bachelor programme, current)	
Academic year 2020/21	
Curriculum	Semester plan
Display	Node filter (All)
Academic year (2020/21)	
Node filter-Name	
-	[2020] Civil Engineering
+ (expanded)	Compulsory Modules
+ (expanded)	Fields of Study (Elective Modules)
+ (expanded)	General Electives Area
+ (expanded)	Bachelor Thesis

6. You can open all groups to see the list of courses in the study plan. Please note that modules are the organizational unit above courses, marked with the orange symbol. For example, Bachelor (B.Sc.) Civil Engineering: If you select “Compulsory Modules”, then “Basics in Mathematics and Science” you will see the modules in this group. If you click on the module “Hydromechanics”, you will see that this module consists of the two courses “Hydromechanics I” and “Hydromechanics II”.

Example “Hydromechanics I”:

Curriculum		Semester plan	
Display ▾	Node filter (All) ▾	Academic year (2020/21) ▾	
Node filter-Name			Rec. Sem. (W/)
- [2020] Civil Engineering			
- Compulsory Modules			
- Basics in Mathematics and Science			
+ [3010717] Applied Statistics			
- [3020962] Hydromechanics			
[302096202] Term Paper Hydromechanics I			3. / -
[302096203] Term Paper Hydromechanics II			4. / -
+ [302096201] Exam Hydromechanics			4. / -
- ▲ Lecture and exercise Hydromechanics I			3. /
course(s) in academic year 2020/21		Place (1st session)	
31.04840 20W 25W5 L Hydromechanics I		Online-Veranstaltung	
+ ▲ Lecture and exercise Hydromechanics II			4. / -
+ [1115630] Mathematics I			
+ [1115631] Mathematics II			
+ [3015542] Mechanics I			
+ [3015543] Mechanics II			
+ Specific Basics of Engineering and Civil Engineering			
+ Institute Internship			

In this list you will see that the recommended semester for “Hydromechanics I” is the third semester (3./). You do not have to mind the recommended semester as an exchange student, but please check if this course is offered in the winter semester or in the summer semester. If the number is an even number this course is offered in the summer semester. If this number is an uneven number, this course is offered in the winter semester. So, the course “Hydromechanics I” is offered in the winter semester.

Another example regarding the difference concerning modules and courses is the module “Building information modelling” (7 ECTS/Credits). This module is offered in some master study plans and consists of the course “(Geo)Databases” (4 ECTS/Credits) in the winter semester and the course “2D/3D Building Information Systems” (3 ECTS/Credits) in the summer semester. You are permitted to select the courses individually and you do not have to select both courses of the module “Building information modelling”.

If you click on the course name (Example below for [31.04840 20W 2SWS L Hydromechanics I](#)), you will be guided to a course overview. Please note the course language (Language of Instruction). Please see the example below. Please note that the current language of instruction is stated in the current course description. Some modules were previously taught in German and are taught in English now.

Overview

Description

Dates and Groups

Exam Information

Status within Curriculum

Equivalent courses

View registration details

Ⓢ Course open for registration

Overview

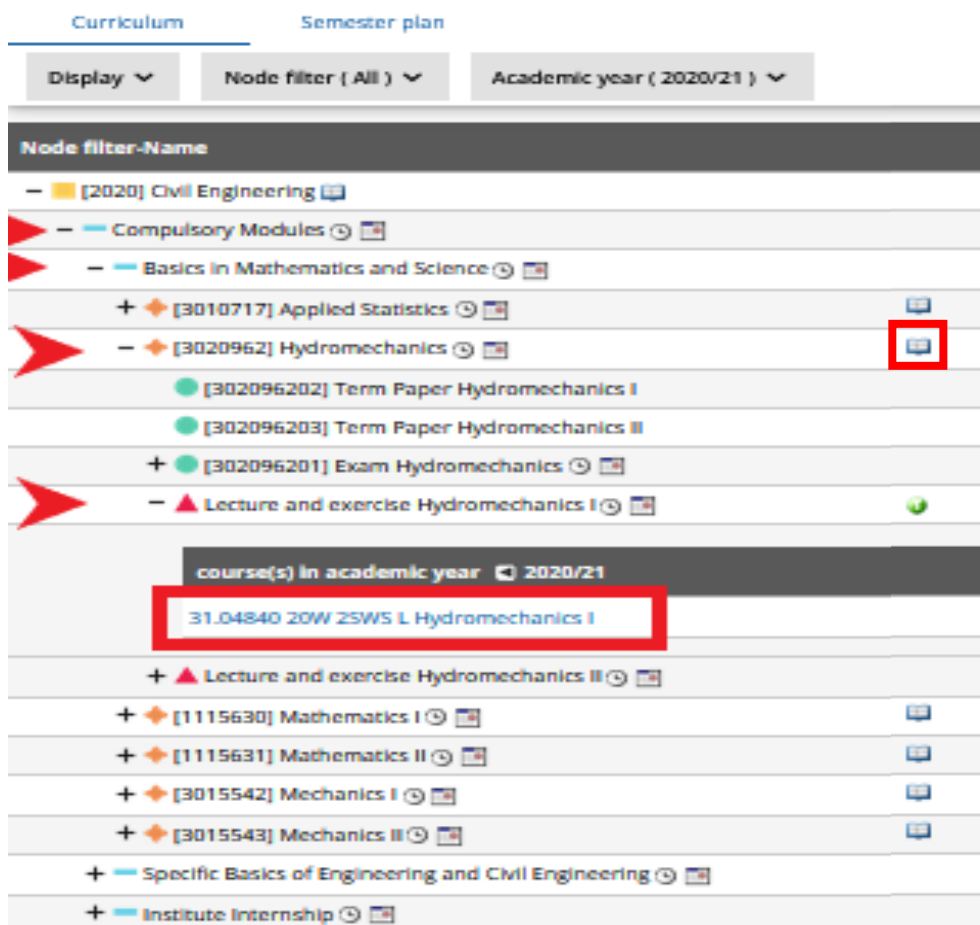
Title	Hydromechanics I
Number	31.04840
Persons Involved	Lecturer (Assistant) 👤 Schüttrumpf, Holger 👤 Wolf, Stefanie Sabine {}
Type	Lecture (L)
Semester Week Hours	2
ECTS credits	3
Course language/s	German
Offered in	Winter semester 2020/21
Organisation	Chair and Institute of Hydraulic Engineering and Water Resources Management

Description

Content	Please refer to module guide
Previous knowledge expected	-
Objective	Please refer to module guide
Teaching and learning method	-
Further information	online information e-learning course further information additional information Note http://www.iww.rwth-aachen.de/

▼ Categories

If in the previous example, you select the icon of the blue book next to the title of the course of study you will be guided to the booklet of all module descriptions for the selected course of study.



On the following website you will find important general information on how to find courses in RWTHonline and a list of English-taught courses at the Faculty of Civil Engineering. <https://www.rwth-aachen.de/cms/root/Studium/Im-Studium/Internationales/Exchange-Incomings/Bewerbung/~iprm/Fachliche-Vorbereitung/?lidx=1>.

Finding the Course Descriptions

When you are on the list of Degree Programs as previously described in step 1- 4, please click on the blue book next to the name of the course of study of your choice.

RWTH Aachen University		RWTHOnline	
Degree Programmes / RWTH Aachen University 2020/21			
Academic year (2020/21) ▾			
▶ 78 Master Teacher Training Vocational School			
▶ 79 LA Master Berufskollegs (berufsbegleitend)			
▼ 82 Bachelor (1-Subject)			
82 Bachelor (1-Subject)	203	Applied Geography (HG-NRW/2013)	
82 Bachelor (1-Subject)	200	Applied Geosciences (HG-NRW/2019)	
82 Bachelor (1-Subject)	013	Architecture (HG-NRW/2019)	
82 Bachelor (1-Subject)	787	Bauingenieurwesen (m. Orientierungssem.) (HG-NRW/2020)	
82 Bachelor (1-Subject)	026	Biology (HG-NRW/2006)	
82 Bachelor (1-Subject)	208	Business Administration (HG-NRW/2019)	
82 Bachelor (1-Subject)	715	Business Administration and Engineering Civil Engineering (HG-NRW/2020)	
82 Bachelor (1-Subject)	716	Business Administration and Engineering: Electrical Power Engineering (HG-NRW/2020)	
82 Bachelor (1-Subject)	717	Business Administration and Engineering Materials and Process Engineering (HG-NRW/2020)	
82 Bachelor (1-Subject)	707	Business Administration and Engineering Mechanical Engineering (HG-NRW/2020)	
82 Bachelor (1-Subject)	032	Chemistry (HG-NRW/2010)	
82 Bachelor (1-Subject)	017	Civil Engineering (HG-NRW/2020)	
82 Bachelor (1-Subject)	706	Computational Engineering Science (HG-NRW/2011)	
82 Bachelor (1-Subject)	079	Computer Science (HG-NRW/2018)	
82 Bachelor (1-Subject)	759	Electrical Engineering, Information Technology and Computer Engineering (HG-NRW/2017)	
82 Bachelor (1-Subject)	783	Electrical Engineering with orientation semester (HG-NRW/2019)	
82 Bachelor (1-Subject)	762	Environmental Engineering (HG-NRW/2019)	

You will then find the German and English module handbooks of the course of study for the winter semester and the summer semester of each academic year.

Download module handbook / RWTH Aachen University

[Cancel/Close](#)

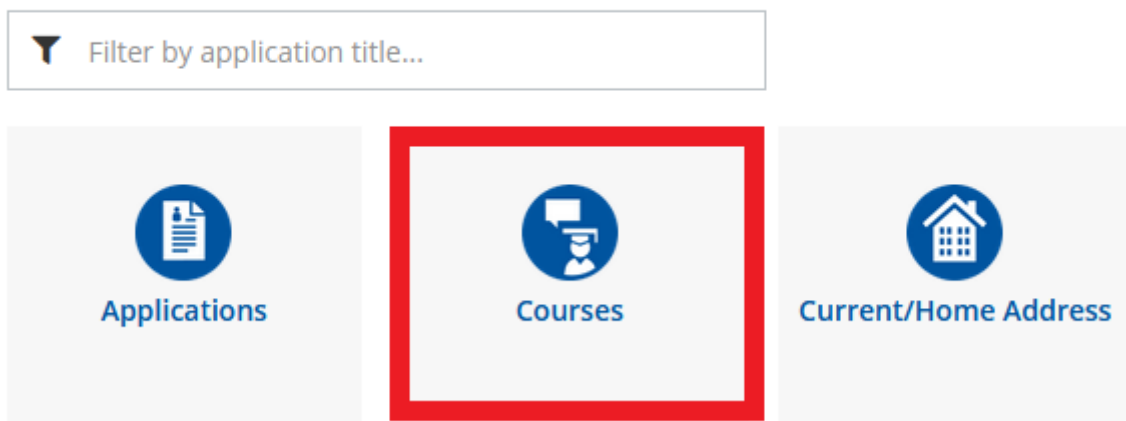
- [1837_BSBau_2020_de_SoSe2021.pdf](#)
Deutsch
- [1837_BSBau_2020_de_WiSe2020.pdf](#)
Deutsch
- [1837_BSBau_2020_en_SoSe2021.pdf](#)
Englisch
- [1837_BSBau_2020_en_WiSe2020.pdf](#)
Englisch

Creating your timetable/schedule

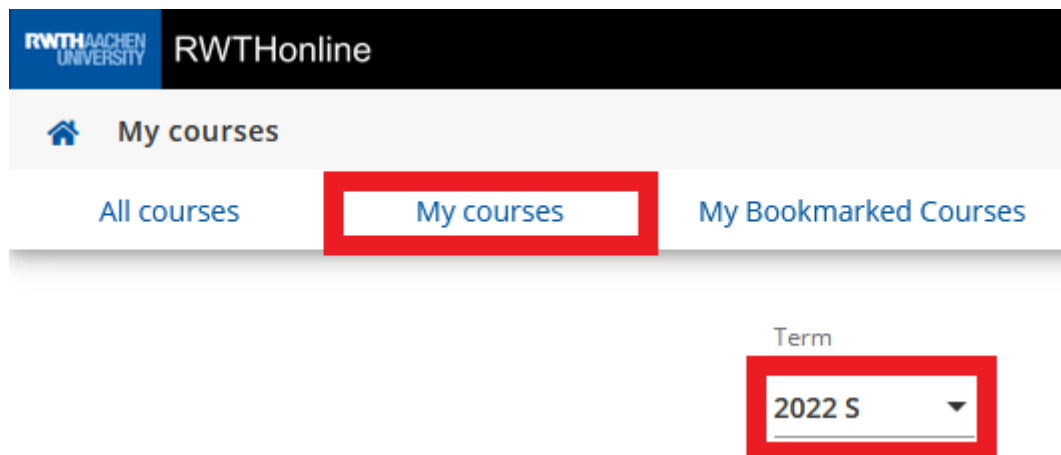
After you have registered your selected courses, you will be able to view your timetable in RWTHonline. Please note that the start and end dates for the course registration are mentioned in the course description.

1. Select "courses" after your log-in in RWTHonline.

All applications



2. Select "My courses" and the correct semester.




Please check if all your registered courses are listed in this overview.

3. Click on the following button and select “Show course calendar”.

Term
2022 S

Filter by course number or course title

 Filter Title (ascending)



31.19076 **Advanced Waste Water Treatment in Practice** - Standardgruppe ★
LE | 2 SWS

Registration procedure: Advanced Waste Water Treatment in Practice
Degree programme: 1480 88 762 Environmental Engineering





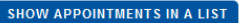
Registration editable until 30.09.2022
Deregistration until 30.09.2022





Assigned confirmed place
Edit course registration
No exam dates available

Please note that you can select the dates and several further setting to find a display that is suitable for you. You can use a weekly setting with a date within the semester and print this version to see your timetable during the lecture phase. Public holidays are entered in this calendar as well.

Calendar week 17 / 2022

Week     

	Monday, 25.04.2022	Tuesday, 26.04.2022	Wednesday, 27.04.2022
08:00			
09:00			 Planning of Waste Water Installations 2 Online-Veranstaltung regular class; Exercise; Lecturer: Graß, Larissa; M. Sc., Schröder, Markus; Hon.-Prof. Dr.-Ing.
10:00			
11:00			
12:00			
13:00			
14:00			
15:00	 Advanced Waste Water Treatment in Practice UMIC_025 (2165 025) regular class; Lecture/Exercise; Lecturer: Reichert,	 Basis of Environmental Survey and Monitoring H08 (1385 219) regular class; Lecture/Exercise; Lecturer: Linnemann,	 Engineering Hydrology H08 (1385 219) regular class; Lecture; Lecturer: Nacken, Heribert; Univ.-
16:00			

If you click on the lecture halls (written in blue), information about the room will be provided. You will see the address, building, floor and room number.

RWTHAACHEN UNIVERSITY | RWTHonline

Room / 1385 | 219 (H08)
H08, Claßenstraße 11, 2nd floor

Operation ▾ Display (Individual room) ▾ Abbrechen/Schließen

Region ▾ City ▾ Building area ▾ Building ▾ Floor Ⓢ

Floor C.A.R.L., Claßenstraße 11, 2nd floor (1385), 48 Rooms / 0,00 m2 Zoom factor 80% ▾

View Dot ▾ Type of plan Floor plan ▾ Measure area

• Floor plan not available

If you are facing difficulties finding suitable courses offered by the Faculty of Civil Engineering, please contact us via international@fb3.rwth-aachen.de.